# INDEX OF AUTHORS

AHUJA, K. K. 247
ALVEY, P. L. 147
ANDRIES, L. 191

BARNGROVER, D. 173
BARRNETT, R. J. 233
BOWMAN, P. 133
BROWN, R. M. 105
BUZHIYEVSKAYA, T. I. 97

CROSSLEY, R. 205

FARBMAN, A. I. 283, 311

GILBURT, D. J. 247

HARRISSON, F. 191
HERTSENS, R. 191
HICKEY, I. 87
HOLBERTON, D. 205

KENNEY, D. M. 1
KYTRYK, M. A. 133

LINCK, R. W. 1
LORD, B. I. 117
LUKASH, L. L. 97

MAIHLE, N. J. 49
MARTIN, B. 163
MATSUYA, Y. 263, 273
McCONVILLE, C. 87
McMENAMIN, M. 87
MENCO, B. PH. M. 283, 311
MERCHANT, J. L. 233
MIDDLETON, C. A. 105
MURPHY, C. R. 163

NEILL, R. 87

PAPERMASTER, D. S. 233
PESCIOTTA, D. M. 23

SAHARA, N. 67
SATIR, B. H. 23, 49
SEGAWA, A. 67
SHAPIRO, N. I. 97
SIMMONS, P. J. 117
SUZUKI, K. 67

THILLY, W. G. 173
THOMAS, J. 173
TURLEY, E. A. 133

VAKAET, L. 191
VARSHAVER, N. B. 97

YAMANE, I. 263, 273
YAMASHINA, S. 67

# INDEX OF SUBJECTS

**Bicarbonate-free Leibovitz medium**
high density mammalian cell growth: BARNGROVER, THOMAS & THILLY 173

**Cell agglutination**
enhancement by lectins: MATSUYA & YAMANE I 263
enhancement by polycations: MATSUYA & YAMANE II 273
**Cell behaviour**
of epithelial cells in culture: BROWN & MIDDLETON 105
**Cell contact**
effect of hyaluronate and hyaluronate-binding protein: TURLEY, BOWMAN & KYTRYK 133
**Cell culture**
mammalian, in bicarbonate-free Leibovitz medium: BARNGROVER, THOMAS & THILLY 173
of epithelial cells, individual behaviour: BROWN & MIDDLETON 105
**Cell cycle**
in relation to centriole cycle in 3T3 and CHO cells: ALVEY 147
**Cell hybridization**
enhancement by lectins: MATSUYA & YAMANE I 263
enhancement by polycations: MATSUYA & YAMANE II 273
**Cell junctions**
of blastoderm edge in gastrulating chick and quail embryos: ANDRIES, HARRISSON, HERTSENS & VAKAET 191
**Cell motility**
effect of hyaluronate and hyaluronate-binding protein: TURLEY, BOWMAN & KYTRYK 133
**Cell proliferation inhibitor**
produced by macrophage-like cells: SIMMONS & LORD 117
**Centriole**
cycle, investigation using 3T3 and CHO cells: ALVEY 147
**Chick embryo**
cell junctions and locomotion of blastoderm edge: ANDRIES, HARRISSON, HERTSENS & VAKAET 191
**Cholesterol**
in plasma membrane of uterine epithelial cells: MURPHY & MARTIN 163
**Cilia**
genesis during rat nasal epithelial prenatal development: MENCO & FARBMAN I, II 283, 311
**Culture medium**
effect of Cerophyl$^{R}$ on exocytosis in *Tetrahymena*: PESCIOTTA & SATIR 23
**Cytochalasin B**
effect on somatic cell hybrids between normal and transformed cells: HICKEY, McCONVILLE, McMENAMIN & NEILL 87
**Cytochemistry**
in study of cholesterol in plasma membrane of uterine epithelial cells: MURPHY & MARTIN 163
**Cytoskeleton**
microtubules in *Giardia*, associated with filaments of giardin: CROSSLEY & HOLBERTON 205
of unstimulated platelets: KENNEY & LINCK 1

**Digitonin**
with freeze-fracture cytochemistry in study of cholesterol in plasma membrane of uterine epithelium: MURPHY & MARTIN 163

**Electron microscopy**
of genesis of cilia and microvilli in rat nasal epithelia: MENCO & FARBMAN I 283
**Epithelial cells**
morphology and locomotion in culture: BROWN & MIDDLETON 105
**Epithelium**
junctional patterns in locomotion in chick and quail embryos: ANDRIES, HARRISSON, HERTSENS & VAKAET 191
**Exocrine gland**
acinar structure and membrane regionalization in secretion: SEGAWA, SAHARA, SUZUKI & YAMASHINA 67
**Exocytosis**
in *Tetrahymena*, effect of Cerophyl$^{R}$ growth medium: PESCIOTTA & SATIR 23

**Fertilization**
sperm sulphatases in sperm–zona interactions in hamster: AHUJA & GILBURT 247
**Freeze-fracture**
cytochemistry in study of cholesterol in plasma membrane of uterine epithelium: MURPHY & MARTIN 163

in study of effect of growth medium on exocytosis in *Tetrahymena*: PESCIOTTA & SATIR 23
in study of cell junctions and locomotion in gastrulating chick and quail embryos: ANDRIES, HARRISSON, HERTSENS & VAKAET 191
**Fructose**
effect on culture chemistry of mammalian cells in Leibovitz medium: BARNGROVER, THOMAS & THILLY 173

***Giardia***
cytoskeleton microtubules associated with giardin: CROSSLEY & HOLBERTON 205
**Giardin**
attached to microtubules in cytoskeleton of *Giardia*: CROSSLEY & HOLBERTON 205

**Hyaluronate**
effect on cell motile and contact behaviour: TURLEY, BOWMAN & KYTRYK 133

**Lectin**
enhancement of cell hybridization and agglutination: MATSUYA & YAMANE I 263

**Macrophages**
mature, contain antigen to monoclonal antibody F4/80: SIMMONS & LORD 117
**MDCK cells**
high density growth in bicarbonate-free Leibovitz medium: BARNGROVER, THOMAS & THILLY 173
**Membrane regionalization**
as prerequisite for secretion in rat submandibular gland: SEGAWA, SAHARA, SUZUKI & YAMASHINA 67
**Microtubules**
in *Giardia* cytoskeleton, associated with filaments of giardin: CROSSLEY & HOLBERTON 205
isolated marginal band in platelets: KENNEY & LINCK 1
**Microvilli**
genesis during rat nasal epithelial development: MENCO & FARBMAN I, II 283, 311
**Migration**
of blastoderm edge in gastrulating chick and quail embryos: ANDRIES, HARRISSON, HERTSENS & VAKAET 191
**Monoclonal antibodies**
in isolation of proliferation inhibitor-producing cells from bone marrow: SIMMONS & LORD 117
**Morphometry**
in study of correlation between $Na^+,K^+$-ATPase content and plasma membrane surface area in duck salt glands: MERCHANT, PAPERMASTER & BARRNETT 233
**Mucocysts**
of *Tetrahymena*, in study of secretion: MAIHLE & SATIR 49
**Mutagenesis**
induced by viral oncogene: LUKASH, VARSHAVER, BUZHIYEVSKAYA & SHAPIRO 97

**$Na^+,K^+$-ATPase**
content, correlation with plasma membrane surface area in duck salt glands: MERCHANT, PAPERMASTER & BARRNETT 233

**Olfactory epithelium**
morphometric analysis of genesis of cilia and microvilli in rat: MENCO & FARBMAN II 311
qualitative study of cilia and microvilli in rat: MENCO & FARBMAN I 283

**Plasma membrane**
of uterine epithelial cells, cholesterol: MURPHY & MARTIN 163
surface area, correlation with $Na^+,K^+$-ATPase content in duck salt glands: MERCHANT, PAPERMASTER & BARRNETT 233
**Platelets**
unstimulated, cytoskeleton: KENNEY & LINCK 1
**Prenatal development**
of rat nasal epithelia, cilia and microvilli: MENCO & FARBMAN I, II 283, 311
**Polycation**
enhancement of cell hybridization and agglutination: MATSUYA & YAMANE II 273
**Procentriole**
in centriole cycle in 3T3 and CHO cells: ALVEY 147
**Protein secretion**
in *Tetrahymena thermophila*: MAIHLE & SATIR 49

**Rosettes**
assembly in *Tetrahymena* cells in Cerophyl$^R$ growth medium: PESCIOTTA & SATIR 23

**Salt glands**
in adapted and de-adapted ducklings, correlation between $Na^+$,$K^+$-ATPase content and plasma membrane surface area: MERCHANT, PAPERMASTER & BARRNETT 233
**Secretion**
exocrine, in rat submandibular gland: SEGAWA, SAHARA, SUZUKI & YAMASHINA 67
**SEM**
in morphometric study of genesis of cilia and microvilli in rat nasal epithelium: MENCO & FARBMAN II 311
**Sulphatases**
of sperm, in early sperm–zona interactions in hamster: AHUJA & GILBURT 247
**Suppression**
of transformed phenotype by cytochalasin B: HICKEY, McCONVILLE, McMENAMIN & NEILL 87
**Surface glycoproteins**
are they sulphated in nature? AHUJA & GILBURT 247
***Tetrahymena***
effect of Cerophyl$^R$ growth medium on exocytosis: PESCIOTTA & SATIR 23
protein secretion: MAIHLE & SATIR 49
**Tumour promoter, TPA**
enhances transforming effect of carcinogens: LUKASH, VARSHAVER, BUZHIYEVSKAYA & SHAPIRO 97

**Uncontrolled nuclear division**
in somatic cell hybrids between normal and transformed cells: HICKEY, McCONVILLE, McMENAMIN & NEILL 87
**Uterus**
plasma membrane of epithelial cells, cholesterol: MURPHY & MARTIN 163

**Vero cells**
high density growth in bicarbonate-free Leibovitz medium: BARNGROVER, THOMAS & THILLY 173
**Viral oncogene**
as a mutagen: LUKASH, VARSHAVER, BUZHIYEVSKAYA & SHAPIRO 97